

RHIC & AGS Users' Organization

John Hill

Iowa State University
Past-Chair, Users' Executive Committee
RHIC-AGS Users' Group

Annual DOE RHIC Science and Technology Review
July 18-20, 2007

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Resources for RHIC Users

RHIC & AGS Users' Group –

Organization of scientists using RHIC, AGS, National Space Radiation Lab (NSRL), Tandem and Accelerator Test Facility (ATF) at BNL. User's office assists those carrying out research at ATLAS, Daya Bay and LSST.

RHIC & AGS Users' Executive Committee (UEC) --

The elected and appointed representatives of the Users' Group

RHIC & AGS Users' Center --

Center acts as an advocate on behalf of users with BNL management. It also ensures that guests comply with Laboratory policies, standards, procedures, regulations, and training. Organizes UEC and users' meetings.

Thanks

U.S. DOE: Secretary Bodman for his emphasis on basic research in the physical sciences and Ray Orbach and Dennis Kovar for their continuous strong support of RHIC.

Users' Center staff: We thank Susan White-DePace, Angela Melocoton, Kelly Guiffreda, and Regina Robinson for dedicated, professional, and friendly service to all users.

User Demographics by Position

<u>Category of User</u>	<u>As of July 2007</u>
Total	1929
Total RHIC	951
RHIC Faculty/Staff	510
RHIC Students	352
RHIC Postdocs	61
RHIC Remote Users	28
Other (AGS, ATF, NSRL, TANDEM)	598
Other (ATLAS, Daya Bay, LSST)	380

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User Demographics by Experiment

Collaboration

July 2007

Total RHIC Users

951+93

PHENIX

441+41

STAR

414+36

PHOBOS

38+7

BRAHMS

39+7

eRHIC

15

pp2pp

4+2

Note: Numbers in **red** represent BNL employees working at RHIC.

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RHIC Peer-Reviewed Publications

Year	RHIC Publications
2000	1
2001	15
2002	20
2003	23
2004	32
2005	31
2006	31
2007	17*
Total	170

*As of June 2007

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RHIC Ph.D. Theses

Year	RHIC PhD Theses
2000	4
2001	9
2002	24
2003	25
2004	29
2005	31
2006	26
2007	13*
Total	161

*As of June 2007

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Users' Group and UEC Meetings

Annual Users' Meeting

(most recent June 18-22, 2007)

Four Open Forum Meetings per year:

April APS Meeting (2007 in Jacksonville)
(2008 in St. Louis)

Fall DNP (2006 in Nashville)
(2007 in Newport News)

December at BNL

Annual Users' Meeting Near End of RHIC Run

Monthly UEC Meetings (visits by BNL officials)

RHIC-AGS Annual Users' Meeting on 6-(18-22)-2007

Monday and Wednesday, June 18-20
Topical Workshops: 6 RHIC and 2 Other

Thursday, June 21-22, Plenary Sessions

2007 RHIC-AGS Users' Meeting Workshops

Eight RHIC Workshops:

- 1: Probing the Nucleon's Spin Structure with Longitudinally Polarized Beams - 63
- 2: Bulk and Medium Properties in Heavy Ion Collisions at RHIC and RHIC-II - 83
- 3: Probing the Nucleon's Spin Structure with Transversely Polarized Beams - 68
- 4: Hard Probes of Nuclear Collisions at RHIC - 108
- 5: The Future of RHIC Spin and the Physics of eRHIC - 81
- 6: Heavy Flavor and Quarkonia Production - 90
- 7: Non-RHIC Related Nuclear and High Energy Physics at BNL - 47
- 8: Education and Outreach Workshop – 38

Total registered for plenary session (Thursday, Friday) -- 173

Total Participants -- 190

2007 RHIC User Awards

Thesis Awards at User Meeting:

Hiromi Okada, Kyoto, Japan, RHIC-PHENIX

Thesis: “Measurement of the Analyzing Power A-N in pp Elastic Scattering in the CNR Region with a Polarized Atomic Hydrogen Gas Jet Target”

Corey Reed, MIT, RHIC-PHOBOS

Thesis: “Studies of Nucleon-Gold Collisions at 200 GeV per Nucleon Pair Using Tagged d+Au Interactions”

Poster Award at User Meeting:

Kieran Boyle, SUNYSB, RHIC-PHENIX

Poster: “Double Helicity Pion Asymmetry in Polarized pp Collisions at PHENIX”

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2007 RHIC User Awards

Thesis Awards (Honorable Mention) at User Meeting:

Nathan Grau, Iowa State, RHIC-PHENIX

Thesis: “Systematic Study of High-pT Di-Jet Correlations in Nuclear Collisions with the PHENIX Experiment at RHIC”

Taku Gunji, Tokyo, RHIC-PHENIX

Thesis: “J/psi Production in High Energy Heavy Ion Collisions at RHIC”

Sevil Salur, Yale, RHIC-STAR

Thesis: “Investigation of Hadronic Resonances with STAR”

2007-08 UEC Members

Chairs	Rene Bellwied, Wayne State, Chair Abhay Deshpande, Stony Brook, Chair-Elect John Hill, Iowa State, Past Chair
Members Elected 3-Year Terms	Helen Caines, Yale Manuel Calderon, Davis Renee Fatemi, MIT Matthias Grosse Perdekamp, UIUC Brant Johnson, BNL John Lajoie, Iowa State Michael Murray, Kansas Cornelis Onderwater, Groningen James Sowinski, Indiana Carla Vale, BNL Charles Whitten, UCLA

Newly elected members listed in red.

2007-08 UEC Members (Cont.)

Appointed
by Chair
2-Year Terms

Hank Crawford, LBNL
One to be named

Student Post Doc
Members Elected
1-Year Terms

Astrid Morreale, Riverside
Christine Nattrass, Yale

Newly elected or appointed members listed in red.

Major Concerns of RHIC User Community

1. FUNDING for Science, RHIC Operations, Upgrades, and Future (RHIC II and e-RHIC).
2. Visa Issues and Approval for BNL Site Access:
Of 1044 RHIC Users, only 425 are U.S., while 619 (59%) are non-U.S.
Currently about 191 RHIC “sensitive” country users: Russia, China, India, Israel and Algeria.
3. Quality of Life at BNL.
4. Housing, Cooking in Dorms, Lighting.
5. Staying abreast of changing rules and regulations.

UEC Organized into Working Groups

Site Access and Science (SAS) (Susan)

- Physical Access
- Computer Access
- Scientific Computing and Data Transfer

Funding, Politics and Programmatic (FPP) (Rene)

- Funding
- Political Action: OSTP, OMB, Congress

Meetings, Communications and Outreach (MCO) (Abhay)

- Users' Meetings
- Open Forums

Quality of Life (QOL) (John)

- Housing and Transportation
- Site Enhancements
- Liaisons to Association for Students And Postdocs (ASAP)

What Have We Done??

A number of things. We have had a very busy year. I have organized what we did below in terms of the four working groups.

Meetings, Communications and Outreach (Rene Chair)

- A. Organize Annual User's Meeting (June 18-22, 2007)
- B. Open Forum Talks:
 - Mike Holland (House Committee on Science) (Nashville-06)
 - Steve Pierson (APS Office of Public Affairs) (Jacksonville-07)
- C. John Haggerty with help UEC established RHIC-AGS newsletter that now comes out regularly. About 1000 web hits per issue.

QOL

Quality of Life (Brant Chair)

- A. We have a new home for Association of Students and Postdocs (ASAP) since HFBR building will be closed. Site is near BNL pool. Had successful open house in June.
- B. Coffee house in new administration building will be hopefully established this year when funds are available. UEC did survey (695 responses) on needs and results given to Sam.
- C. Discussions with BNL management concerning lighting on way to RHIC ring. Lighting from Science Learning Center to the edge of the RHIC ring road needed.

Funding, Politics and Programmatic (John Chair)

- A. Users sent letters through APS Public Affairs to their representatives to support DOE Office of Science. (>1700). National User Facility Organization (NUFO) helped.
- B. Set up URL so that users could thank their individual House members who voted in favor of the Continuing Resolution that favorable to the Office of Science.
- C. Asked users to write their Senators asking them to sign the Alexander/Bingaman letter for FY2007. (45 signers)
- D. Set up visits for Congressional Visits Day (CVD) in May. Christine Nattrass (student) and I visited a total of 12 offices.

Site Access and Science (Susan Chair)

- A. UEC formulated survey to elicit user's opinions on the one day stand down and various cyber security issues. Very large response (421 replies) to this survey and results given to BNL management. Resulted in several visits to UEC by Tom Schlager to tell us what management doing to improve things.
- B. Visit by Derek Lowenstein to give users update on the RHIC cryo problems.
- C. Visit to April Open Forum by John Amabile (security), Randy Biegelman (counter intelligence) and Tom Schlager to answer user's questions on a number of issues.

Plans For This Year

1. Production of one page flier for OSTP and OMB illustrating why RHIC exciting even in LHC era.
2. UEC Chair trips to Washington DC to visit OMB, OSTP and Congressional staffers.
3. Improved turnout for 2008 Congressional visits. Target Energy and Water Subcommittees.
4. Further collaboration with NUFO on issues of common interest to facility user's.
5. Push for completion of Coffee House **this year**.
6. Push for more lighting near RHIC ring **this year**.
7. Look at user housing needs at BNL.

State of the UEC

1. The UEC is active.
2. The UEC has established and is maintaining open channels of communication between the users and BNL management. (Visits with Sam, Derek, Tom Schlager, etc.)
3. The UEC provides 4 Open Forums per year where users can discuss their concerns with the UEC. The UEC encourages any user to express any concerns to any UEC member.
4. The UEC is politically active. (Letters and visits to Washington in collaboration with APS Public Affairs)
5. The UEC initiates changes and then pushes for their completion. (ASAP lounge, Coffee house, Lighting)